Author Index

Abraham, W. and Downing, D.T.
Deuterium NMR investigation of polymorphism in stratum corneum lipids (1068) 189
Aharonovitz, O., see Livne, A.A. (1068) 161
Albitz, R., Droogmans, G. and Nilius, B.
The conductance of single cardiac sodium channels from guinea pig depends on the intracellular sodium concentration (1068) 254
Allen, T.M. and Hansen, C.
Pharmacokinetics of stealth versus conventional liposomes: effect of dose (1068) 133
Alonso, A., see Burger, K.N.J. (1068) 249
Arakelian, V.B., see Melikyan, G.B. (1068) 245

Baeuerle, H.-D., see Beschiaschvili, G. (1068) 195
Beaumier, B. and Béliveau, R.
Kidney brush-border membrane transporters: differential sensitivity to diethyl pyrocarbonate (1068) 142
Béliveau, R., see Beaumier, B. (1068) 142
Beschiaschvili, G. and Baeuerle, H.-D.
Effective charge of melittin upon interaction with POPC vesicles (1068) 195
Bessoule, J.J., see Juguelin, H. (1068) 41
Blokkebak-Poulsen, J., Sheikh, M.I. and Jacobsen, C.
Effects of divalent cations and pH on amiloride-sensitive Na^+ fluxes into luminal membrane vesicles from pars recta of rabbit proximal tubule (1068) 125
Boland, C., see Nag, K. (1068) 157
Borror, C.A. and Helmkamp, Jr., G.M.
Transport of phosphatidylinositol to rat hepatocyte plasma membrane catalyzed by phosphatidylinositol transfer protein (1068) 52
Buchet, R., Varga, S., Seidler, N.W., Molnar, E. and Martonosi, A.
Polarized infrared attenuated total reflectance spectroscopy of the Ca^{2+}-ATPase of sarcoplasmic reticulum (1068) 201
Burger, K.N.J., Nieva, J.-L., Alonso, A. and Verkleij, A.J.
Phospholipase C activity-induced fusion of pure lipid model membranes. A freeze fracture study (1068) 249

Campione, A.L., see Van Winkle, L.J. (1068) 231
Cassagne, C., see Juguelin, H. (1068) 41
Chiesa, R., see Reinach, P.S. (1068) 1

De Gier, J., see De Kroon, A.I.P.M. (1068) 111
De Kroon, A.I.P.M., De Gier, J. and De Kruijff, B.
The effect of a membrane potential on the interaction of mastoparan X, a mitochondrial presequence, and several regulatory peptides with phospholipid vesicles (1068) 111
De Kruijff, B., see De Kroon, A.I.P.M. (1068) 111
Downing, D.T., see Abraham, W. (1068) 189
Droogmans, G., see Albitz, R. (1068) 254

Efthymiadis, A. and Schwarz, W.
Conditions for a backward-running Na^+/K^+ pump in *Xenopus* oocytes (1068) 73

Famulski, K.S., see Pilarska, M. (1068) 167
Fridman, H., see Livne, A.A. (1068) 161

Fromherz, P. and Lambacher, A.
Spectra of voltage-sensitive fluorescence of styryl-dye in neuron membrane (1068) 149

Gasset, M., Oñaderra, M., Martínez del Pozo, A., Schiavo, G.-P., Laynez, J., Usobiaga, P. and Gavilanes, J.G.
Effect of the antitumour protein α-sarcin on the thermotropic behaviour of acid phospholipid vesicles (1068) 9
Gavilanes, J.G., see Gasset, M. (1068) 9
Goundis, D., see Stankowski, S. (1068) 61

Hansen, C., see Allen, T.M. (1068) 133
Helmkamp, Jr., G.M., see Borror, C.A. (1068) 52
Holmberg, N., see Reinach, P.S. (1068) 1
Honda, S., Morii, H., Ohashi, S. and Uedaira, H.
Fluctuation and rotation of human growth hormone-releasing factor in the presence and the absence of phospholipid bilayer analyzed by time-resolved fluorescence depolarization (1068) 81
Hosokawa, K., see Ikehara, T. (1068) 87

Ikehara, T., Takahashi, A., Yamaguchi, H., Hosokawa, K., Masuya, T. and Miyamoto, H.
Regulatory changes in the K^+, Cl^- and water contents of HeLa cells incubated in an isosmotic high K^+-medium (1068) 87
Iseki, K., Kobayashi, M. and Miyazaki, K.
Spermine uptake by rat intestinal brush-border membrane vesicles (1068) 105

Jacobsen, C., see Blokkebak-Poulsen, J. (1068) 125
Jona, I., see Molnar, E. (1068) 27
Juguelin, H., Bessoule, J.J. and Cassagne, C.
Interaction of amphiphilic substrates (acyl-CoAs) and their metabolites (free fatty acids) with microsomes from mouse sciatic nerves (1068) 41

Kalb, E., see Stankowski, S. (1068) 61
Keough, K.M.W., see Nag, K. (1068) 157
Khramtsov, V.V. and Marsh, D.
Measurement of the local translational diffusion rates of proteins by saturation transfer EPR spectroscopy (1068) 257
Kobayashi, M., see Iseki, K. (1068) 105
Kocharov, S.L., see Melikyan, G.B. (1068) 245

Lambacher, A., see Fromherz, P. (1068) 149
Laynez, J., see Gasset, M. (1068) 9
Livne, A.A., Aharonovitz, O., Fridman, H., Tsukitani, Y. and Markus, S.
Modulation of Na^+/H^+ exchange and intracellular pH by protein kinase C and protein phosphatase in blood platelets (1068) 161
Lyu, R.-M., Reeves, J.P. and Smith, J.B.
Sodium-calcium exchange in membrane vesicles from aortic myocytes: Stimulation by endogenous proteolysis masks inactivation during vesicle preparation (1068) 97

Mann, D.F., see Van Winkle, L.J. (1068) 231
Markowska, E., see Subczynski, W.K. (1068) 68

Markus, S., see Livne, A.A. (1068) 161
Marsh, D., see Khramtsov, V.V. (1068) 257
Martínez del Pozo, A., see Gasset, M. (1068) 9
Martonosi, A., see Buchet, R. (1068) 201
Martonosi, A., see Molnar, E. (1068) 17
Martonosi, A., see Molnar, E. (1068) 27
Masuya, T., see Ikehara, T. (1068) 87
Matinyan, N.S., see Melikyan, G.B. (1068) 245
Melikyan, G.B., Matinyan, N.S., Kocharov, S.L., Arakelian, V.B., Prangishvili, D.A. and Nadareishvili, K.G.
Electromechanical stability of planar lipid membranes from bipolar lipids of the thermoacidophilic archebacterium *Sulfolobus acidocaldarius* (1068) 245
Miernyk, J.A., see Shatters, Jr., R.G. (1068) 179
Miyamoto, H., see Ikehara, T. (1068) 87
Miyazaki, K., see Iseki, K. (1068) 105
Molnar, E., Varga, S. and Martonosi, A.
Differences in the susceptibility of various cation transport ATPases to vanadate-catalyzed photocleavage (1068) 17
Molnar, E., Varga, S., Jona, I. and Martonosi, A.
Covalent labeling of the cytoplasmic or luminal domains of the sarcoplasmic reticulum Ca^{2+}-ATPase with fluorescent azido dyes (1068) 27
Molnar, E., see Buchet, R. (1068) 201
Morii, H., see Honda, S. (1068) 81
Motin, L.G., see Zilberter, Y.I. (1068) 77

Nadareishvili, K.G., see Melikyan, G.B. (1068) 245
Nag, K., Boland, C., Rich, N. and Keough, K.M.W.
Epifluorescence microscopic observation of monolayers of dipalmitoylphosphatidylcholine: dependence of domain size on compression rates (1068) 157
Nieva, J.-L., see Burger, K.N.J. (1068) 249
Nilius, B., see Albitz, R. (1068) 254

Ohashi, S., see Honda, S. (1068) 81
Oñaderra, M., see Gasset, M. (1068) 9

Peña, A. and Ramírez, J.
An energy-dependent efflux system for potassium ions in yeast (1068) 237
Pikuła, S., see Pilarska, M. (1068) 167
Pilarska, M., Wrzosek, A., Pikuła, S. and Famulski, K.S.
Thyroid hormones control lipid composition and membrane fluidity of skeletal muscle sarcolemma (1068) 167
Prangishvili, D.A., see Melikyan, G.B. (1068) 245

Ramírez, J., see Peña, A. (1068) 237
Reeves, J.P., see Lyu, R.-M. (1068) 97
Reinach, P.S., Holmberg, N. and Chiesa, R.
Identification of calmodulin-sensitive Ca^{2+}-transporting ATPase in the plasma membrane of bovine corneal epithelial cell (1068) 1
Reyes, L. and Scopes, R.K.
Membrane-associated ATPase from *Zymomonas mobilis*; purification and characterization (1068) 174
Rich, N., see Nag, K. (1068) 157

Schiavo, G.-P., see Gasset, M. (1068) 9
Schulze, H.-U., see Speth, M. (1068) 217
Schwarz, W., see Efthymiadis, A. (1068) 73
Scopes, R.K., see Reyes, L. (1068) 174
Seidler, N.W., see Buchet, R. (1068) 201
Shatters, Jr., R.G. and Miernyk, J.A.
A zein signal sequence functions as a signal-anchor when fused to maize alcohol dehydrogenase (1068) 179
Sheikh, M.I., see Blokkebak-Poulsen, J. (1068) 125
Sielewiesiuk, J., see Subczynski, W.K. (1068) 68
Smith, J.B., see Lyu, R.-M. (1068) 97
Speth, M. and Schulze, H.-U.
Modulation of the activity of hepatic glucose-6-phosphatase by methylthioadenosine sulfoxide (1068) 217
Stankowski, S., Wey, J., Kalb, E. and Goundis, D.
Membrane interaction of 'peptide P' derived from the repeating motif of properdin (1068) 61
Subczynski, W.K., Markowska, E. and Sielewiesiuk, J.
Effect of polar carotenoids on the oxygen diffusion-concentration product in lipid bilayers. An EPR spin label study (1068) 68

Takahashi, A., see Ikehara, T. (1068) 87
Tsukitani, Y., see Livne, A.A. (1068) 161

Uedaira, H., see Honda, S. (1068) 81
Usobiaga, P., see Gasset, M. (1068) 9

Van Winkle, L.J., Mann, D.F., Weimer, B.D. and Campione, A.L.
Na^+-dependent transport of anionic amino acids by preimplantation mouse blastocysts (1068) 231
Varga, S., see Buchet, R. (1068) 201
Varga, S., see Molnar, E. (1068) 17
Varga, S., see Molnar, E. (1068) 27
Verkleij, A.J., see Burger, K.N.J. (1068) 249

Weimer, B.D., see Van Winkle, L.J. (1068) 231
Wey, J., see Stankowski, S. (1068) 61
Wrzosek, A., see Pilarska, M. (1068) 167

Yamaguchi, H., see Ikehara, T. (1068) 87

Zilberter, Y.I. and Motin, L.G.
Existence of two fast inactivation states in cardiac Na channels confirmed by two-stage action of proteolytic enzymes (1068) 77